

**FBI LABORATORY**

A cutting tool assembly including a protective wear sleeve that is fixed in the cavity of a bit holder by a tapered wedge portion that is compressed in a correspondingly tapered portion of the bit holder cavity and an accompanying retainer both combine affix the wear sleeve to the bit holder cavity in a secure manner. The applicant's protective wear sleeve invention can be set in the bit holder by several axial blows with a hammer or other appropriate tool. Unlike some other designs in the prior art which require the insertion of a pin or nut threaded onto a bolt or clip connected to the rear end of the cutting to secure the wear protection sleeve to the bit holder in the invention no other assembly step is necessary to secure the protective sleeve inside the bit holder cavity. The protective sleeve will remain in this position with no relative axial movement or rotation between the wear sleeve and the bit holder during operation of the cutting tool machinery.